Notice of Allowability	Application No.	Applicant(s)
	10/015,865	SARTSCHEV ET AL.
	Examiner	Art Unit
	Thanh S Phan	2841
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>07/23/04</u> .		
2. The allowed claim(s) is/are <u>1-20</u> .		·
3. The drawings filed on 12 December 2001 are accepted by the Examiner.		
<ul> <li>4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some* c) None of the: <ol> <li>Certified copies of the priority documents have been received.</li> <li>Certified copies of the priority documents have been received in Application No.</li> <li>Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received:</li> </ul>		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) ☐ including changes required by the Notice of Draftspers  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date	on's Patent Drawing Review (  Amendment / Comment or in  84(c)) should be written on the one header according to 37 CFR	the Office action of drawings in the front (not the back) of I.121(d).
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT for a strain of the strain of t</li></ol>	SIT OF BIOLOGICAL MATER FOR THE DEPOSIT OF BIOLO	IAL must be submitted. Note the DGICAL MATERIAL.
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sum Paper No./Ma 8), 7. ☐ Examiner's An	mal Patent Application (PTO-152) mary (PTO-413), iil Date nendment/Comment atement of Reasons for Allowance RANDY W. GIBSON PRIMARY EXAMINER

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## DETAILED ACTION

## Allowable Subject Matter

Claims 1-20 allowed.

The following is a statement of reasons for the indication of allowable subject matter: the prior art of record fail to teach a time measuring circuit comprising a first and second circuits that teach have a plurality of outputs representing a delayed clock and a delayed stop signal at each output; a third circuit accepts the outputs from the first and second circuits to produce a digital output representing the coincidence between one of the first plurality of signals and one of the second plurality of signals, and in combine with the remain limitations of claims 1 and 12, nor would it be obvious to modify the art of record so as to include the above limitations. Although Sartschev et al. [US 6,073,259] disclose a timing generation circuitry, Chu [US 4,164,648] disclose a double Vernier time interval measurement using triggered phase-locked oscillators and Murakami [US 5,872,745] disclose a time measuring method and system which enable to discriminate whether or not the measurement result is within the required measurement, they do not disclose the above-mentioned limitations.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh S Phan whose telephone number is 571-272-2109. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 571-272-1957. The

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fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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